

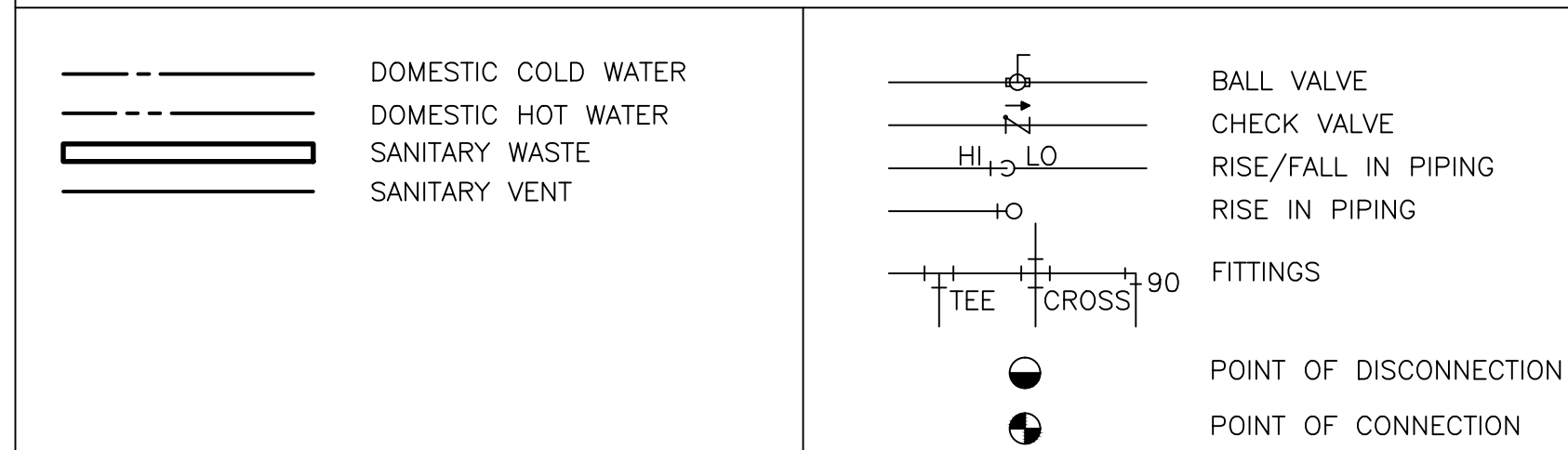
PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MOUNTING	TYPE	MANUFACTURER	MODEL NUMBER	WASTE	VENT	COLD	HOT	ACCESSORIES
FS	FLOOR SINK	FLOOR	8 INCHES SQUARE	JR SMITH (OR EQUAL)	3411 (OR EQUAL)	4"	2"	N/A	N/A	WITH TRAP PRIMER CONNECTION AND SEDIMENT BUCKET - PROVIDE 6" FUNNEL
LAV	LAVATORY	WALL - 34" TO LIP	LOCKER ROOM FIXTURES	KOHLER (OR EQUAL)	K-2005 (OR EQUAL)	2"	1 1/2"	1/2"	1/2"	WITH MOEN #8307 FAUCET & LAMINAR FLOW AERATOR - PROVIDE ARM STYLE CARRIER
SINK	SINK	WALL - 34" TO LIP	EXAM ROOM SINK	KOHLER (OR EQUAL)	K-2005 (OR EQUAL)	2"	1-1/2"	1/2"	1/2"	WITH MOEN #CA8303 GOOSENECK BATTERY OPERATED ELECTRONIC FAUCET WITH SEPARATE MOEN #104424 MIXING VALVE
WC	WATER CLOSET	WALL - 17" TO RIM	LOCKER ROOM FIXTURES	KOHLER (OR EQUAL)	K-4325 (OR EQUAL)	4"	2"	1"	N/A	WITH WHITE HEAVY DUTY SEAT (WITH CHECK HINGES) AND MOEN #8310 FLUSH VALVE AND JR SMITH CARRIER

PIPE SCHEDULE

SYSTEM	PIPE MATERIAL	SIZE	INSULATION THICKNESS	REMARKS
DOMESTIC COLD WATER	L' COPPER	ALL	½"	PRO-FIT/SOLDERED
DOMESTIC HOT WATER	L' COPPER	ALL	1"	PRO-FIT/SOLDERED
WASTE	CAST IRON	ALL	NONE	ABOVE GRADE
VENT	CAST IRON	ALL	NONE	ABOVE GRADE
MED AIR/MED VAC/MED O2	L' COPPER	ALL	NONE	BRAZED JOINTS
MED VACUUM	L' COPPER	ALL	NONE	BRAZED JOINTS

PLUMBING PIPING LEGEND

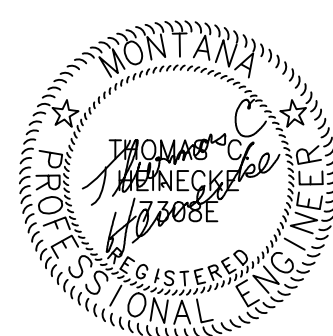
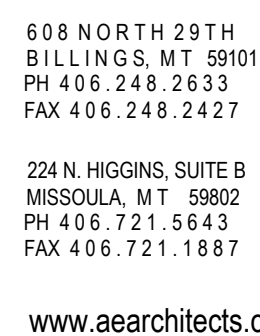


GENERAL NOTES:

- A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF PIPING DUCTS, CONDUTIS, DIFFUSERS, BOXES AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
- B. ALL DIMENSIONS AND EXACT UNIT AND PIPING LOCATIONS ARE TO BE FIELD VERIFIED. THESE DRAWINGS REPRESENT SCHEMATIC SYSTEMS BASED ON INFORMATION PROVIDED BY OTHERS.
- C. PROVIDE SEISMIC BRACING OF ALL EQUIPMENT AND PIPING AS REQUIRED BY LOCAL CODES.
- D. COORDINATE AVAILABLE SPACE FOR EQUIPMENT AND PIPING SYSTEMS WITH OTHER TRADES. REFER TO ARCHITECTURAL, STRUCTURAL, PLUMBING, AND ELECTRICAL DRAWINGS AND FIRE PROTECTION SHOP DRAWINGS FOR ADDITIONAL DETAILS NECESSARY FOR COORDINATION.
- E. ALL PIPING IS SCHEMATICALLY DRAWN AND COORDINATION BETWEEN TRADES MUST BE DONE FOR PROPER EQUIPMENT, PIPING, AND DUCTWORK PLACEMENT AND DESIGN.
- F. CONTRACTOR IS TO ROUTE ALL PIPING TO AVOID STRUCTURAL MEMBERS AS FIELD CONDITIONS DICTATE. IF PIPING IS SHOWN AS GOING THROUGH A STRUCTURAL MEMBER, THIS WILL NEED TO BE ADJUSTED IN THE FIELD TO FIT OR THE MEMBER WILL NEED TO BE PENETRATED. PIPING LOCATIONS ARE SHOWN AS APPROXIMATE AND NOT EXACT. CONTRACTOR IS TO CHECK PIPING DIMENSIONS IN THE FIELD.
- G. FOLLOW MANUFACTURERS WRITTEN INSTALLATION INSTRUCTION FOR RUNNING THE COMBUSTION AIR AND VENT PIPING AS WELL AS THE TERMINATION THROUGH THE ROOF. FOLLOW ALL SAFETY INSTRUCTIONS.
- H. COORDINATE ALL CONCRETE PENETRATIONS WITH STRUCTURAL DRAWINGS TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.
- I. ALL PIPING THAT IS EXPOSED MUST BE PAINTED TO MATCH SURROUNDINGS.
- J. MECHANICAL CONTRACTOR SHALL FIRE SEAL ALL PIPING PASSING THROUGH RATED CONSTRUCTION.

[illegible]

CONSULTANTS:



ARCHITECT/ENGINEERS:



Drawing Title	PLUMBING SCHEDULES
---------------	--------------------

AARON DRIVDAHL, PROJECT ENGINEER

Project Title

VAMC FORT HARRISON
SPD RENOVATION

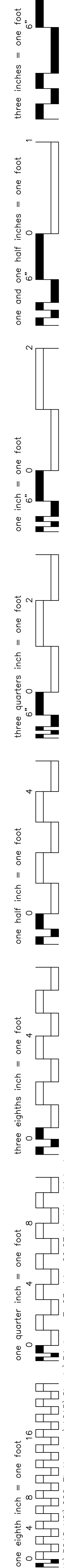
Location		
FT. HARRISON, MONTANA		
Date	Checked	Dra
07/18/2014	JTW	TO

Project Number	436-14-109
Building Number	154
Drawing Number	PL601
	Dwg. 27 of

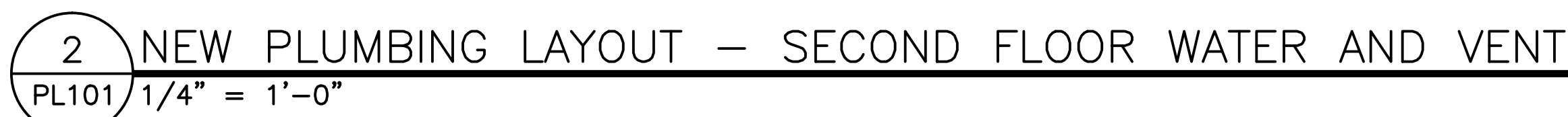
Office of
Construction
and Facilities
Management



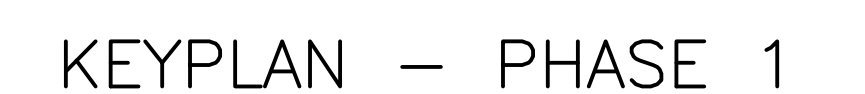
Construction Document Submission
18 July 2014



J:\5218 VCI\002 Ft Harrison\ACAD\Sheets\P1.dwg /-23-14 09:27:41 AM rniebert



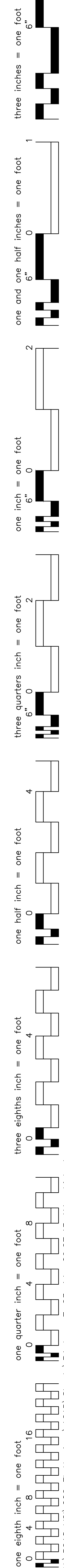
- KEY NOTES:
1. NEW EXAM ROOM SINK – CONNECT TO EXISTING HOT AND COLD WATER IN CEILING SPACE OF EXAM ROOM – CONNECT WASTE TO NEW WASTE PIPING IN THE CEILING BELOW
 2. NEW EXAM ROOM SINK ABOVE – ROUTE 2" SANITARY PIPING TO CONNECT TO EXISTING SANITARY PIPING
 3. MODIFY SPRINKLER LAYOUT TO ACCOMMODATE ARCHITECTURAL CHANGES IN THIS AREA
 4. FUTURE EXAM ROOM SINK. PROVIDE CAPPED HOT, COLD AND VENT PIPING IN CEILING FOR FUTURE CONNECTION AT THIS LOCATION
 5. FUTURE EXAM ROOM SINK ABOVE. PROVIDE SANITARY STUB IN CEILING OF FIRST FLOOR FOR EASE OF FUTURE CONNECTION
 6. CONNECT TO EXISTING SANITARY PIPING IN CHASE – CONTRACTOR TO VERIFY EXISTING PIPING PRIOR TO RUNNING ANY NEW PIPING
 7. CONNECT TO EXISTING HOT, COLD WATER AND VENT – CONTRACTOR TO VERIFY EXISTING PIPING PRIOR TO INSTALLING ANY NEW PIPING



Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

VA FORM 08-6231

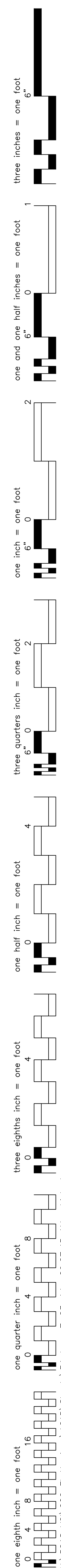


-

-

1 PLUMBING LAYOUT
PL102 $1\frac{1}{4}" = 1'-0"$


VA FORM 08-6231

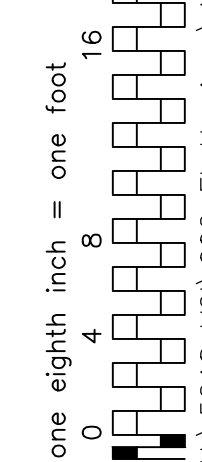


one eighth inch = one foot one quarter inch = one foot

0 4 8 16 0 4 8

\\FS218-VG\002-Ft Harrison\ACAD\Sheets\Pl.dwg 7-23-14 09:27:45 AM rhiebert

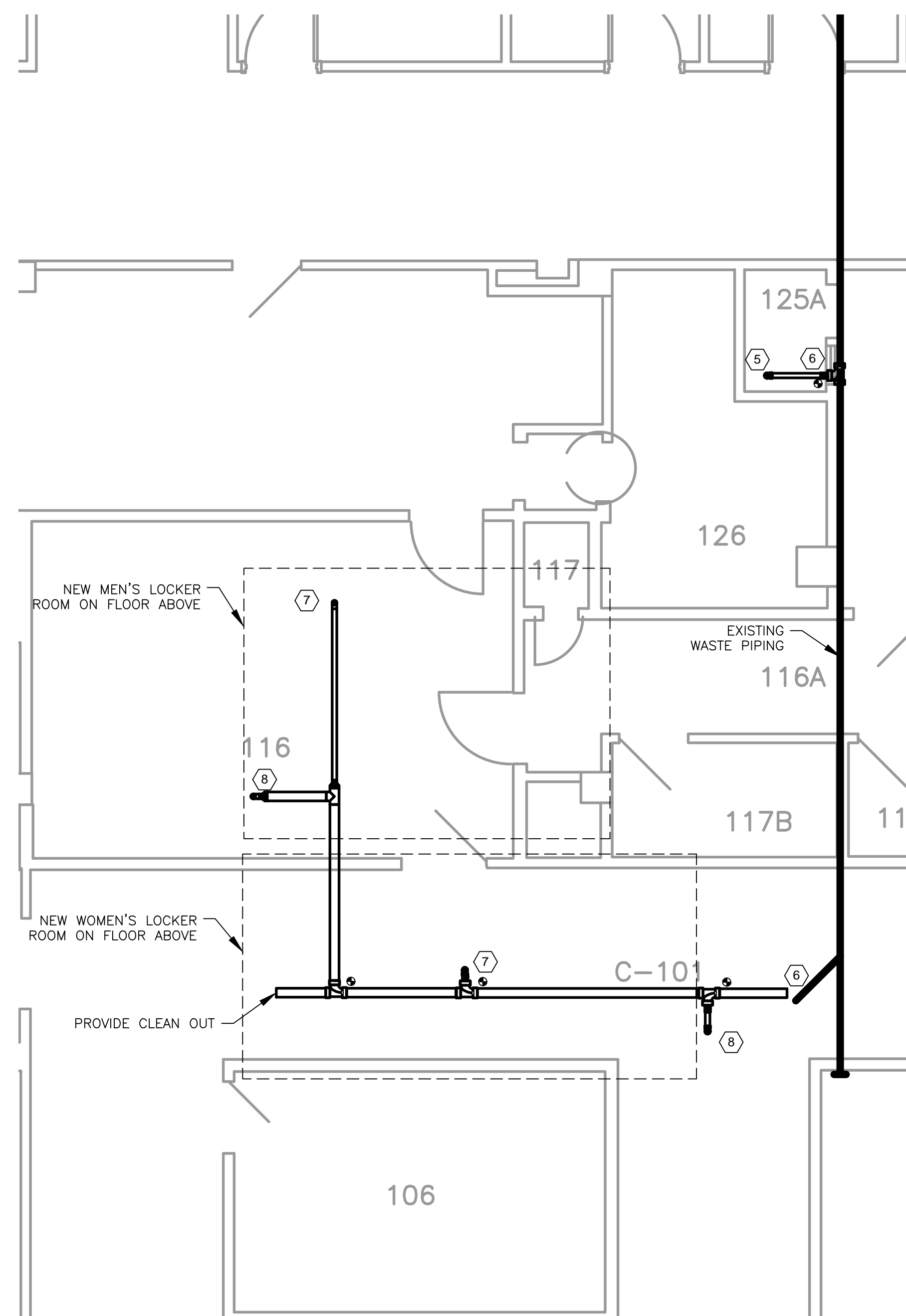
- | | |
|---|---|
|  | KEY NOTES: |
| | <ol style="list-style-type: none"> 1. MODIFY SPRINKLER LAYOUT TO ACCOMMODATE ARCHITECTURAL CHANGES IN THIS AREA 2. WORK REQUIRED IN PHASE 4 - SEE DRAWING PL104 FOR DETAILS |



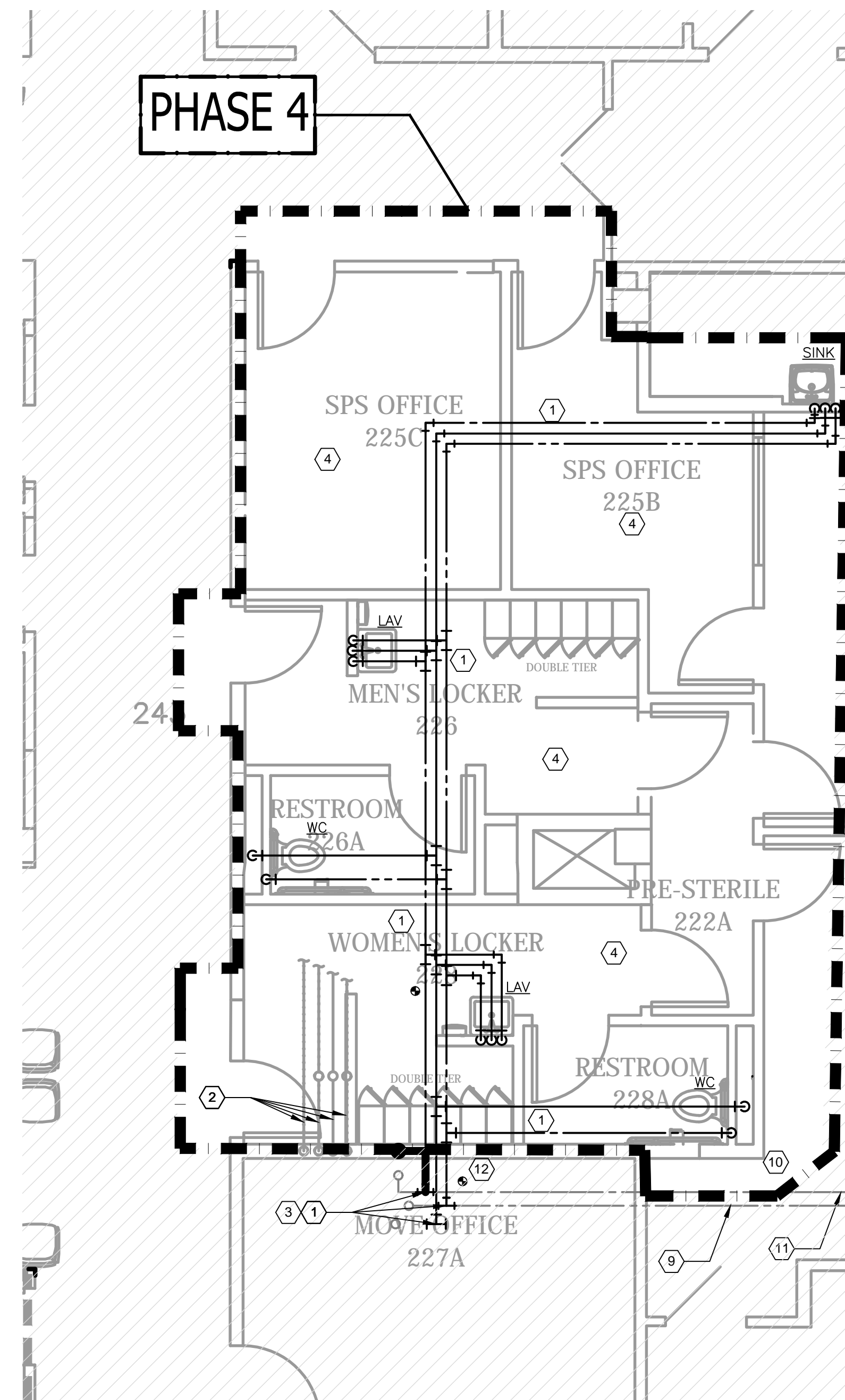
VA FORM 08-6231

	1	2	3	4	5	6	7	8	9
--	---	---	---	---	---	---	---	---	---

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



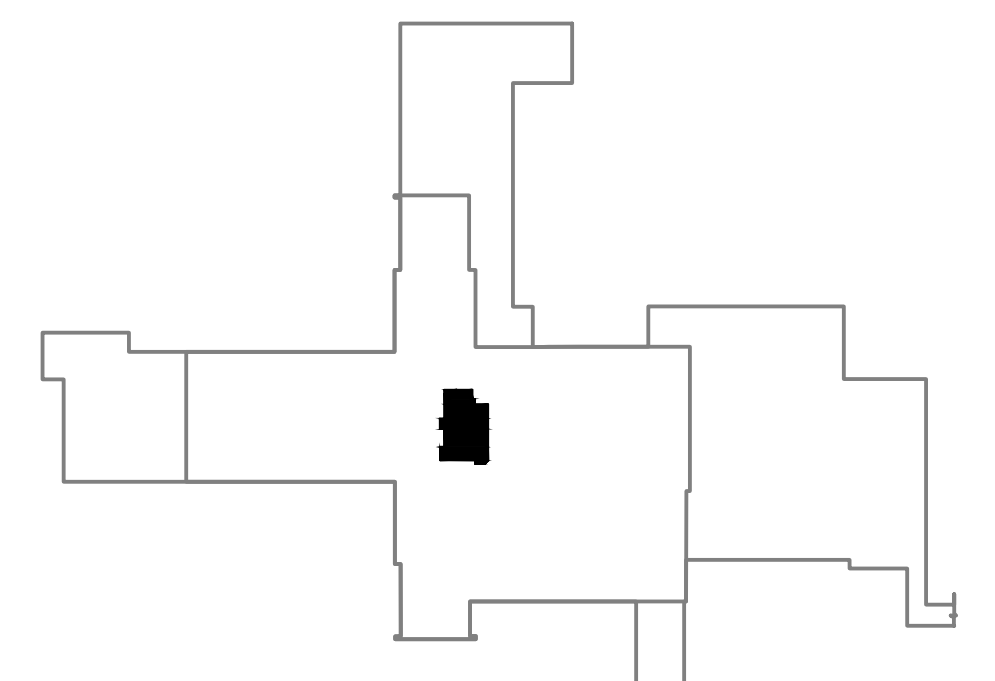
2 PLUMBING LAYOUT - FIRST FLOOR SANITARY WASTE
PL104 1/4" = 1'-0"



1 PLUMBING LAYOUT - SECOND FLOOR WATER AND VENT
PL104 1/4" = 1'-0"

- GENERAL NOTES:
- IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF PIPING DUCTS, CONDUITS, DIFFUSERS, BOXES AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
 - ALL DIMENSIONS AND EXACT UNIT AND PIPING LOCATIONS ARE TO BE FIELD VERIFIED. THESE DRAWINGS REPRESENT SCHEMATIC SYSTEMS BASED ON INFORMATION PROVIDED BY OTHERS.
 - PROVIDE SEISMIC BRACING OF ALL EQUIPMENT AND PIPING AS REQUIRED BY LOCAL CODES.
 - COORDINATE AVAILABLE SPACE FOR EQUIPMENT AND PIPING SYSTEMS WITH OTHER TRADES. REFER TO ARCHITECTURAL, STRUCTURAL, PLUMBING, AND ELECTRICAL DRAWINGS AND FIRE PROTECTION SHOP DRAWINGS FOR ADDITIONAL DETAILS NECESSARY FOR COORDINATION.
 - ALL PIPING IS SCHEMATICALLY DRAWN AND COORDINATION BETWEEN TRADES MUST BE DONE FOR PROPER EQUIPMENT, PIPING, AND DUCTWORK PLACEMENT AND DESIGN.
 - CONTRACTOR IS TO ROUTE ALL PIPING TO AVOID STRUCTURAL MEMBERS AS FIELD CONDITIONS DICTATE. IF PIPING IS SHOWN AS GOING THROUGH A STRUCTURAL MEMBER, THIS WILL NEED TO BE ADJUSTED IN THE FIELD TO FIT OR THE MEMBER WILL NEED TO BE PENETRATED. PIPING LOCATIONS ARE SHOWN AS APPROXIMATE AND NOT EXACT. CONTRACTOR IS TO CHECK PIPING DIMENSIONS IN THE FIELD.
 - FOLLOW MANUFACTURERS WRITTEN INSTALLATION INSTRUCTION FOR RUNNING THE COMBUSTION AIR AND VENT PIPING AS WELL AS THE TERMINATION THROUGH THE ROOF. FOLLOW ALL SAFETY INSTRUCTIONS.
 - COORDINATE ALL CONCRETE PENETRATIONS WITH STRUCTURAL DRAWINGS TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.
 - ALL PIPING THAT IS EXPOSED MUST BE PAINTED TO MATCH SURROUNDINGS.
 - MECHANICAL CONTRACTOR SHALL FIRE SEAL ALL PIPING PASSING THROUGH RATED CONSTRUCTION.

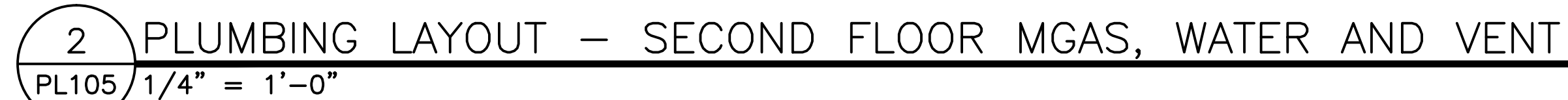
- KEY NOTES:
- RUN NEW HOT WATER, COLD WATER AND VENT PIPING TO ALL NEW LOCKER ROOM FIXTURES IN THIS AREA FROM CEILING SPACE OF ADJACENT OFFICE 227.
 - REMOVE MED-GAS PANEL AND REMOVE EXISTING PIPING BACK TO MED GAS MAINS - THIS CONSISTS OF NITROUS OXIDE PIPING, COMPRESSED AIR PIPING, VACUUM PIPING, AND OXYGEN PIPING.
 - SEE DRAWING PL103 FOR CONTINUATION
 - MODIFY SPRINKLER LAYOUT TO ACCOMMODATE ARCHITECTURAL CHANGES IN THESE AREAS.
 - 2" SANITARY WASTE FROM SINK ABOVE.
 - TIE INTO EXISTING WASTE PIPING AT THIS POINT - CONTRACTOR TO VERIFY PIPING PRIOR TO BEGINNING ANY PIPING.
 - 2" SANITARY WASTE PIPING FROM NEW LAVATORY ABOVE.
 - 3" SANITARY WASTE PIPING FROM NEW WATER CLOSET ABOVE.
 - EXISTING VENT PIPING TO REMAIN - CONTRACTOR VERIFY LOCATION.
 - EXISTING COLD WATER SUPPLY PIPING TO REMAIN - CONTRACTOR VERIFY LOCATION.
 - EXISTING HOT WATER SUPPLY PIPING TO REMAIN - CONTRACTOR VERIFY LOCATION.
 - THIS WALL IS A FIRE WALL - ALL PENETRATIONS THROUGH THIS WALL MUST BE DONE TO MAINTAIN THE FIRE RATING OF THE WALL.



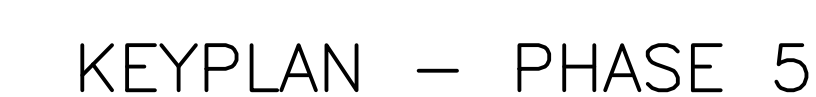
KEYPLAN - PHASE 4

Construction Document Submission
18 July 2014

<p>Revisions:</p> <table><tr><td>1</td><td></td><td></td></tr><tr><td>2</td><td></td><td></td></tr><tr><td>3</td><td></td><td></td></tr><tr><td>4</td><td></td><td></td></tr><tr><td>5</td><td></td><td></td></tr><tr><td>6</td><td></td><td></td></tr><tr><td>7</td><td></td><td></td></tr><tr><td>8</td><td></td><td></td></tr><tr><td>9</td><td></td><td></td></tr><tr><td>10</td><td></td><td></td></tr><tr><td>11</td><td></td><td></td></tr><tr><td>12</td><td></td><td></td></tr><tr><td>13</td><td></td><td></td></tr><tr><td>14</td><td></td><td></td></tr><tr><td>15</td><td></td><td></td></tr><tr><td>16</td><td></td><td></td></tr><tr><td>17</td><td></td><td></td></tr><tr><td>18</td><td></td><td></td></tr><tr><td>19</td><td></td><td></td></tr><tr><td>20</td><td></td><td></td></tr><tr><td>21</td><td></td><td></td></tr><tr><td>22</td><td></td><td></td></tr><tr><td>23</td><td></td><td></td></tr><tr><td>24</td><td></td><td></td></tr><tr><td>25</td><td></td><td></td></tr><tr><td>26</td><td></td><td></td></tr><tr><td>27</td><td></td><td></td></tr><tr><td>28</td><td></td><td></td></tr><tr><td>29</td><td></td><td></td></tr><tr><td>30</td><td></td><td></td></tr><tr><td>31</td><td></td><td></td></tr><tr><td>32</td><td></td><td></td></tr><tr><td>33</td><td></td><td></td></tr><tr><td>34</td><td></td><td></td></tr><tr><td>35</td><td></td><td></td></tr><tr><td>36</td><td></td><td></td></tr><tr><td>37</td><td></td><td></td></tr><tr><td>38</td><td></td><td></td></tr><tr><td>39</td><td></td><td></td></tr><tr><td>40</td><td></td><td></td></tr><tr><td>41</td><td></td><td></td></tr><tr><td>42</td><td></td><td></td></tr><tr><td>43</td><td></td><td></td></tr><tr><td>44</td><td></td><td></td></tr><tr><td>45</td><td></td><td></td></tr><tr><td>46</td><td></td><td></td></tr><tr><td>47</td><td></td><td></td></tr><tr><td>48</td><td></td><td></td></tr><tr><td>49</td><td></td><td></td></tr><tr><td>50</td><td></td><td></td></tr><tr><td>51</td><td></td><td></td></tr><tr><td>52</td><td></td><td></td></tr><tr><td>53</td><td></td><td></td></tr><tr><td>54</td><td></td><td></td></tr><tr><td>55</td><td></td><td></td></tr><tr><td>56</td><td></td><td></td></tr><tr><td>57</td><td></td><td></td></tr><tr><td>58</td><td></td><td></td></tr><tr><td>59</td><td></td><td></td></tr><tr><td>60</td><td></td><td></td></tr><tr><td>61</td><td></td><td></td></tr><tr><td>62</td><td></td><td></td></tr><tr><td>63</td><td></td><td></td></tr><tr><td>64</td><td></td><td></td></tr><tr><td>65</td><td></td><td></td></tr><tr><td>66</td><td></td><td></td></tr><tr><td>67</td><td></td><td></td></tr><tr><td>68</td><td></td><td></td></tr><tr><td>69</td><td></td><td></td></tr><tr><td>70</td><td></td><td></td></tr><tr><td>71</td><td></td><td></td></tr><tr><td>72</td><td></td><td></td></tr><tr><td>73</td><td></td><td></td></tr><tr><td>74</td><td></td><td></td></tr><tr><td>75</td><td></td><td></td></tr><tr><td>76</td><td></td><td></td></tr><tr><td>77</td><td></td><td></td></tr><tr><td>78</td><td></td><td></td></tr><tr><td>79</td><td></td><td></td></tr><tr><td>80</td><td></td><td></td></tr><tr><td>81</td><td></td><td></td></tr><tr><td>82</td><td></td><td></td></tr><tr><td>83</td><td></td><td></td></tr><tr><td>84</td><td></td><td></td></tr><tr><td>85</td><td></td><td></td></tr><tr><td>86</td><td></td><td></td></tr><tr><td>87</td><td></td><td></td></tr><tr><td>88</td><td></td><td></td></tr><tr><td>89</td><td></td><td></td></tr><tr><td>90</td><td></td><td></td></tr><tr><td>91</td><td></td><td></td></tr><tr><td>92</td><td></td><td></td></tr><tr><td>93</td><td></td><td></td></tr><tr><td>94</td><td></td><td></td></tr><tr><td>95</td><td></td><td></td></tr><tr><td>96</td><td></td><td></td></tr><tr><td>97</td><td></td><td></td></tr><tr><td>98</td><td></td><td></td></tr><tr><td>99</td><td></td><td></td></tr><tr><td>100</td><td></td><td></td></tr></table>	1			2			3			4			5			6			7			8			9			10			11			12			13			14			15			16			17			18			19			20			21			22			23			24			25			26			27			28			29			30			31			32			33			34			35			36			37			38			39			40			41			42			43			44			45			46			47			48			49			50			51			52			53			54			55			56			57			58			59			60			61			62			63			64			65			66			67			68			69			70			71			72			73			74			75			76			77			78			79			80			81			82			83			84			85			86			87			88			89			90			91			92			93			94			95			96			97			98			99			100			<p>CONSULTANTS:</p> <p>MORRISON MAIERLE, INC. An Employee-Owned Company 125 Schoolhouse Loop Kalispell, MT 59901 406.752.2216</p> <p>A&E ARCHITECTS ARCHITECTURE INTERIORS HISTORIC 608 NORTH 29TH BILLINGS, MT 59101 PH 406.248.2633 FAX 406.248.2427 224 N. HIGGINS, SUITE B MISSOULA, MT 59802 PH 406.721.5843 FAX 406.721.1887 www.aearchitects.com</p>	<p>ARCHITECT/ENGINEERS:</p> <p>VCI Program, Project and Construction Management</p>	<p>Drawing Title PLUMBING PLAN - PHASE 4</p> <p>Approved Project Director AARON DRIVDAHL, PROJECT ENGINEER VAMC FORT HARRISON</p>	<p>Project Title VAMC FORT HARRISON SPD RENOVATION</p> <p>Location FT. HARRISON, MONTANA</p> <p>Date 07/18/2014</p> <p>Checked JTW</p> <p>Drawn TCH</p>	<p>Project Number 436-14-109</p> <p>Building Number 154</p> <p>Drawing Number PL104</p> <p>Dwg 31 of 39</p>	<p>Office of Construction and Facilities Management</p> <p>Department of Veterans Affairs</p>
1																																																																																																																																																																																																																																																																																																																		
2																																																																																																																																																																																																																																																																																																																		
3																																																																																																																																																																																																																																																																																																																		
4																																																																																																																																																																																																																																																																																																																		
5																																																																																																																																																																																																																																																																																																																		
6																																																																																																																																																																																																																																																																																																																		
7																																																																																																																																																																																																																																																																																																																		
8																																																																																																																																																																																																																																																																																																																		
9																																																																																																																																																																																																																																																																																																																		
10																																																																																																																																																																																																																																																																																																																		
11																																																																																																																																																																																																																																																																																																																		
12																																																																																																																																																																																																																																																																																																																		
13																																																																																																																																																																																																																																																																																																																		
14																																																																																																																																																																																																																																																																																																																		
15																																																																																																																																																																																																																																																																																																																		
16																																																																																																																																																																																																																																																																																																																		
17																																																																																																																																																																																																																																																																																																																		
18																																																																																																																																																																																																																																																																																																																		
19																																																																																																																																																																																																																																																																																																																		
20																																																																																																																																																																																																																																																																																																																		
21																																																																																																																																																																																																																																																																																																																		
22																																																																																																																																																																																																																																																																																																																		
23																																																																																																																																																																																																																																																																																																																		
24																																																																																																																																																																																																																																																																																																																		
25																																																																																																																																																																																																																																																																																																																		
26																																																																																																																																																																																																																																																																																																																		
27																																																																																																																																																																																																																																																																																																																		
28																																																																																																																																																																																																																																																																																																																		
29																																																																																																																																																																																																																																																																																																																		
30																																																																																																																																																																																																																																																																																																																		
31																																																																																																																																																																																																																																																																																																																		
32																																																																																																																																																																																																																																																																																																																		
33																																																																																																																																																																																																																																																																																																																		
34																																																																																																																																																																																																																																																																																																																		
35																																																																																																																																																																																																																																																																																																																		
36																																																																																																																																																																																																																																																																																																																		
37																																																																																																																																																																																																																																																																																																																		
38																																																																																																																																																																																																																																																																																																																		
39																																																																																																																																																																																																																																																																																																																		
40																																																																																																																																																																																																																																																																																																																		
41																																																																																																																																																																																																																																																																																																																		
42																																																																																																																																																																																																																																																																																																																		
43																																																																																																																																																																																																																																																																																																																		
44																																																																																																																																																																																																																																																																																																																		
45																																																																																																																																																																																																																																																																																																																		
46																																																																																																																																																																																																																																																																																																																		
47																																																																																																																																																																																																																																																																																																																		
48																																																																																																																																																																																																																																																																																																																		
49																																																																																																																																																																																																																																																																																																																		
50																																																																																																																																																																																																																																																																																																																		
51																																																																																																																																																																																																																																																																																																																		
52																																																																																																																																																																																																																																																																																																																		
53																																																																																																																																																																																																																																																																																																																		
54																																																																																																																																																																																																																																																																																																																		
55																																																																																																																																																																																																																																																																																																																		
56																																																																																																																																																																																																																																																																																																																		
57																																																																																																																																																																																																																																																																																																																		
58																																																																																																																																																																																																																																																																																																																		
59																																																																																																																																																																																																																																																																																																																		
60																																																																																																																																																																																																																																																																																																																		
61																																																																																																																																																																																																																																																																																																																		
62																																																																																																																																																																																																																																																																																																																		
63																																																																																																																																																																																																																																																																																																																		
64																																																																																																																																																																																																																																																																																																																		
65																																																																																																																																																																																																																																																																																																																		
66																																																																																																																																																																																																																																																																																																																		
67																																																																																																																																																																																																																																																																																																																		
68																																																																																																																																																																																																																																																																																																																		
69																																																																																																																																																																																																																																																																																																																		
70																																																																																																																																																																																																																																																																																																																		
71																																																																																																																																																																																																																																																																																																																		
72																																																																																																																																																																																																																																																																																																																		
73																																																																																																																																																																																																																																																																																																																		
74																																																																																																																																																																																																																																																																																																																		
75																																																																																																																																																																																																																																																																																																																		
76																																																																																																																																																																																																																																																																																																																		
77																																																																																																																																																																																																																																																																																																																		
78																																																																																																																																																																																																																																																																																																																		
79																																																																																																																																																																																																																																																																																																																		
80																																																																																																																																																																																																																																																																																																																		
81																																																																																																																																																																																																																																																																																																																		
82																																																																																																																																																																																																																																																																																																																		
83																																																																																																																																																																																																																																																																																																																		
84																																																																																																																																																																																																																																																																																																																		
85																																																																																																																																																																																																																																																																																																																		
86																																																																																																																																																																																																																																																																																																																		
87																																																																																																																																																																																																																																																																																																																		
88																																																																																																																																																																																																																																																																																																																		
89																																																																																																																																																																																																																																																																																																																		
90																																																																																																																																																																																																																																																																																																																		
91																																																																																																																																																																																																																																																																																																																		
92																																																																																																																																																																																																																																																																																																																		
93																																																																																																																																																																																																																																																																																																																		
94																																																																																																																																																																																																																																																																																																																		
95																																																																																																																																																																																																																																																																																																																		
96																																																																																																																																																																																																																																																																																																																		
97																																																																																																																																																																																																																																																																																																																		
98																																																																																																																																																																																																																																																																																																																		
99																																																																																																																																																																																																																																																																																																																		
100																																																																																																																																																																																																																																																																																																																		



1. RELOCATE SINK AND RECONFIGURE COLD WATER, HOT WATER, AND VENT TO NEW SINK LOCATION.
2. WATER AND AIR CONNECTIONS TO NEW EQUIPMENT LOCATIONS.
3. SEE DRAWING PL104 FOR CONTINUATION
4. MODIFY FIRE SPRINKLER LAYOUT TO ACCOMMODATE ARCHITECTURAL CHANGES.
5. NEW 4" SANITARY WASTE.
6. EXISTING PIPING TO REMAIN – CONTRACTOR TO VERIFY LOCATION.
7. NEW 2" VENT FROM BELOW – CONNECT TO EXISTING VENT PIPING.
8. CONNECT NEW CART WASHER TO EXISTING UTILITIES – CONTRACTOR SHALL VERIFY ALL SERVICES PRIOR TO STARTING ANY PIPING WORK – WORK OUT ANY ISSUES WITH THE ENGINEER PRIOR TO STARTING:
 - a.a. HOT WATER – 1"
 - b.b. COLD WATER – 1"
 - c.c. STEAM – 1 – 1/2"
 - d.d. CONDENSATE RETURN – 1" (DETERMINE ROUTING IN FIELD)
 - e.e. COMPRESSED AIR – 1/2"
 - f.f. VENTILATION DUCT – 6" (DETERMINE ROUTING IN FIELD)
 - g.g. INDIRECT DRAIN (TO FLOOR SINK)
 - h.h. PURE WATER – 1" (DETERMINE ROUTING IN FIELD)
9. EXISTING VENT PIPING TO REMAIN – CONTRACTOR TO VERIFY LOCATION.
10. EXISTING COLD WATER PIPING TO REMAIN – CONTRACTOR TO VERIFY LOCATION.
11. EXISTING HOT WATER PIPING TO REMAIN – CONTRACTOR TO VERIFY LOCATION.
12. NEW 2" SANITARY WASTE FROM RELOCATED SINK ABOVE.
13. NEW FLOOR SINK – LOCATE AS PER CART EQUIPMENT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
14. NEW 2" VENT UP.
15. 4" WASTE FROM FLOOR SINK ABOVE.
16. CONNECT NEW LOW PRESSURE STEAM PIPING TO EXISTING 2" STEAM PIPING IN THIS AREA.

[illegible]